

## Table ENG-2. - Construction Materials

Richmond County, Virginia

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 0.99. The smaller the value, the greater the limitation.

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1:							
Atlee	80	Fair		Poor		Fair	
		Low content of organic matter	0.13	Low strength	0.00	Depth to saturated zone	0.53
		Too acid	0.50	Depth to saturated zone	0.53	Too acid	0.60
		Water erosion	0.99	Shrink-swell	>0.99		
Savannah	7	Not Rated		Not Rated		Not Rated	
Emporia	5	Not Rated		Not Rated		Not Rated	
Kempsville	5	Not Rated		Not Rated		Not Rated	
2:							
Bibb	45	Fair		Poor		Poor	
		Too acid	0.50	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Low content of organic matter	0.88			Too acid	0.60
		Water erosion	0.99				
Levy	35	Poor		Poor		Poor	
		Sodium content	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Too clayey	0.00	Low strength	0.00	Sodium content	0.00
		Too acid	0.50	Shrink-swell	0.26	Too Clayey	0.00
Rappahannock	5	Not Rated		Not Rated		Not Rated	
3B:							
Catpoint	85	Poor		Good		Poor	
		Too sandy	0.00			Too sandy	0.00
		Wind erosion	0.00			Rock fragments	0.88
		Low content of organic matter	0.13				
Rumford	8	Not Rated		Not Rated		Not Rated	
Nansemond	7	Not Rated		Not Rated		Not Rated	
4B:							
Dogue	85	Poor		Fair		Poor	
		Too clayey	0.00	Depth to saturated zone	0.76	Too Clayey	0.00
		Low content of organic matter	0.13			Too acid	0.60
		Too acid	0.50			Depth to saturated zone	0.76
Savannah	5	Not Rated		Not Rated		Not Rated	
Emporia	4	Not Rated		Not Rated		Not Rated	

**Table ENG-2. - Construction Materials - Continued**

Richmond County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
4B:							
Kempsville	3	Not Rated		Not Rated		Not Rated	
Suffolk	3	Not Rated		Not Rated		Not Rated	
5B:							
Emporia	85	Fair		Poor		Fair	
		Low content of organic matter	0.13	Low strength	0.00	Too Clayey	0.58
		Too acid	0.54	Shrink-swell	0.97	Too acid	0.98
		Too clayey	>0.99				
Kempsville	8	Not Rated		Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated		Not Rated	
Savannah	2	Not Rated		Not Rated		Not Rated	
6B:							
Kempsville	85	Fair		Good		Fair	
		Low content of organic matter	0.13			Too acid	0.98
		Too acid	0.54				
Emporia	8	Not Rated		Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated		Not Rated	
Savannah	2	Not Rated		Not Rated		Not Rated	
7:							
Kempsville	85	Fair		Good		Fair	
		Too acid	0.54			Too acid	0.98
		Low content of organic matter	0.88				
Emporia	8	Not Rated		Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated		Not Rated	
Savannah	2	Not Rated		Not Rated		Not Rated	
8:							
Leaf	85	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.50	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Low content of organic matter	0.50	Shrink-swell	0.13	Too acid	0.60
Wahee	6	Not Rated		Not Rated		Not Rated	
Yemassee	5	Not Rated		Not Rated		Not Rated	

**Table ENG-2. - Construction Materials - Continued**

Richmond County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
8: Tomotley	4	Not Rated		Not Rated		Not Rated	
9: Lumbee	90	Fair Low content of organic matter Too acid	0.02 0.50	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone Too acid	0.00 0.88
Tomotley	5	Not Rated		Not Rated		Not Rated	
Tetotum	3	Not Rated		Not Rated		Not Rated	
Nansemond	2	Not Rated		Not Rated		Not Rated	
10: Nansemond	85	Fair Low content of organic matter Too acid Droughty	0.13 0.50 >0.99	Fair Depth to saturated zone	0.53	Fair Depth to saturated zone Too acid	0.53 0.60
State	5	Not Rated		Not Rated		Not Rated	
Rumford	4	Not Rated		Not Rated		Not Rated	
Lumbee	3	Not Rated		Not Rated		Not Rated	
Tetotum	3	Not Rated		Not Rated		Not Rated	
11: Pamunkey	90	Fair Low content of organic matter Too acid	0.13 0.97	Good		Good	
Rumford	7	Not Rated		Not Rated		Not Rated	
Moderately well drained soils	3	Not Rated		Not Rated		Not Rated	
12: Pits	90	Not Rated		Not Rated		Not Rated	
Fill material	6	Not Rated		Not Rated		Not Rated	
Water	4	Not Rated		Not Rated		Not Rated	
13:							

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Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
13:							
Rappahannock	70	Not Rated		Poor		Poor	
				Depth to saturated zone	0.00	Depth to saturated zone	0.00
						Sodium content	0.00
						Content of organic matter	0.00
Bibb	10	Not Rated		Not Rated		Not Rated	
Levy	10	Not Rated		Not Rated		Not Rated	
Tidal pool	10	Not Rated		Not Rated		Not Rated	
14B:							
Rumford	85	Poor		Good		Fair	
		Wind erosion	0.00			Too acid	0.76
		Low content of organic matter	0.13				
		Too acid	0.50				
Catpoint	5	Not Rated		Not Rated		Not Rated	
Pamunkey	4	Not Rated		Not Rated		Not Rated	
Nansemond	3	Not Rated		Not Rated		Not Rated	
Tomotley	3	Not Rated		Not Rated		Not Rated	
15E:							
Rumford	65	Poor		Poor		Poor	
		Wind erosion	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13			Too acid	0.76
		Too acid	0.50				
Suffolk	10	Not Rated		Not Rated		Not Rated	
Emporia	9	Not Rated		Not Rated		Not Rated	
Kempsville	9	Not Rated		Not Rated		Not Rated	
Bibb	3	Not Rated		Not Rated		Not Rated	
Levy	2	Not Rated		Not Rated		Not Rated	
seeps	2	Not Rated		Not Rated		Not Rated	

16D:

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Richmond County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
16D:							
Rumford	45	Poor		Good		Fair	
		Wind erosion	0.00			Slope	0.63
		Low content of organic matter	0.13			Too acid	0.76
		Too acid	0.50				
Tetotum	30	Fair		Fair		Fair	
		Low content of organic matter	0.13	Depth to saturated zone	0.53	Depth to saturated zone	0.53
		Too acid	0.50			Too acid	0.60
						Slope	0.63
Suffolk	7	Not Rated		Not Rated		Not Rated	
Emporia	6	Not Rated		Not Rated		Not Rated	
Kempsville	5	Not Rated		Not Rated		Not Rated	
Bibb	3	Not Rated		Not Rated		Not Rated	
Levy	2	Not Rated		Not Rated		Not Rated	
seeps	2	Not Rated		Not Rated		Not Rated	
17A:							
Savannah	75	Poor		Poor		Poor	
		Droughty	0.00	Depth to cemented pan	0.00	Depth to cemented pan	0.00
		Depth to cemented pan	0.00	Depth to saturated zone	0.76	Too acid	0.60
		Low content of organic matter	0.13	Low strength	0.78	Depth to saturated zone	0.76
Kempsville	10	Not Rated		Not Rated		Not Rated	
Suffolk	9	Not Rated		Not Rated		Not Rated	
Emporia	6	Not Rated		Not Rated		Not Rated	
17B:							
Savannah	75	Poor		Poor		Poor	
		Droughty	0.00	Depth to cemented pan	0.00	Depth to cemented pan	0.00
		Depth to cemented pan	0.00	Depth to saturated zone	0.76	Too acid	0.60
		Low content of organic matter	0.13	Low strength	0.78	Depth to saturated zone	0.76
Kempsville	10	Not Rated		Not Rated		Not Rated	
Suffolk	9	Not Rated		Not Rated		Not Rated	
Emporia	6	Not Rated		Not Rated		Not Rated	

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Richmond County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
18A:							
State	70	Fair		Good		Fair	
		Too acid	0.12			Too acid	0.60
		Low content of organic matter	0.13				
Rumford	12	Not Rated		Not Rated		Not Rated	
Suffolk	10	Not Rated		Not Rated		Not Rated	
Tetotum	8	Not Rated		Not Rated		Not Rated	
18B:							
State	70	Fair		Good		Fair	
		Too acid	0.12			Too acid	0.60
		Low content of organic matter	0.13				
Rumford	12	Not Rated		Not Rated		Not Rated	
Suffolk	10	Not Rated		Not Rated		Not Rated	
Tetotum	8	Not Rated		Not Rated		Not Rated	
19A:							
Suffolk	85	Fair		Good		Fair	
		Low content of organic matter	0.13			Too acid	0.76
		Too acid	0.50				
Emporia	5	Not Rated		Not Rated		Not Rated	
Savannah	4	Not Rated		Not Rated		Not Rated	
State	4	Not Rated		Not Rated		Not Rated	
Tetotum	2	Not Rated		Not Rated		Not Rated	
19B:							
Suffolk	85	Fair		Good		Fair	
		Low content of organic matter	0.13			Too acid	0.76
		Too acid	0.50				
Emporia	8	Not Rated		Not Rated		Not Rated	
Savannah	7	Not Rated		Not Rated		Not Rated	
20A:							

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
20A:							
Tetotum	85	Fair		Fair		Fair	
		Low content of organic matter	0.13	Depth to saturated zone	0.53	Depth to saturated zone	0.53
		Too acid	0.50			Too acid	0.60
Nansemond	5	Not Rated		Not Rated		Not Rated	
State	5	Not Rated		Not Rated		Not Rated	
Yemassee	5	Not Rated		Not Rated		Not Rated	
20B:							
Tetotum	90	Fair		Fair		Fair	
		Low content of organic matter	0.13	Depth to saturated zone	0.53	Depth to saturated zone	0.53
		Too acid	0.50			Too acid	0.60
State	4	Not Rated		Not Rated		Not Rated	
Yemassee	3	Not Rated		Not Rated		Not Rated	
Nansemond	2	Not Rated		Not Rated		Not Rated	
Rumford	1	Not Rated		Not Rated		Not Rated	
21:							
Tomotley	80	Fair		Poor		Poor	
		Low content of organic matter	0.13	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Too acid	0.50			Too acid	0.60
Tetotum	7	Not Rated		Not Rated		Not Rated	
Yemassee	7	Not Rated		Not Rated		Not Rated	
Nansemond	4	Not Rated		Not Rated		Not Rated	
Leaf	2	Not Rated		Not Rated		Not Rated	
22:							
Wahee	90	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.12	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Low content of organic matter	0.13	Shrink-swell	0.99	Too acid	0.60
Leaf	4	Not Rated		Not Rated		Not Rated	
Tetotum	3	Not Rated		Not Rated		Not Rated	
Yemassee	3	Not Rated		Not Rated		Not Rated	

**Table ENG-2. - Construction Materials - Continued**

Richmond County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
23:							
Yemassee	90	Fair		Fair		Fair	
		Too acid	0.12	Depth to saturated	0.04	Depth to saturated	0.04
		Low content of organic matter	0.13	zone		Too acid	0.60
Leaf	2	Not Rated		Not Rated		Not Rated	
Nansemond	2	Not Rated		Not Rated		Not Rated	
Tetotum	2	Not Rated		Not Rated		Not Rated	
Tomotley	2	Not Rated		Not Rated		Not Rated	
Wahee	2	Not Rated		Not Rated		Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	